

Slide 5

Grammar

$$E \rightarrow T + E \mid T$$

$$T \rightarrow \text{int} * T \mid \text{int} \mid (E)$$

Slide 41

Configuration

Current state

Action

| int \* int \$

1

Shift

int | \* int \$

3

\*  $\notin$  Follow(T)

Shift

int \* | int \$

11

Shift

int \* int | \$

3

\$  $\in$  Follow(T)

Reduce

using  $T \rightarrow \text{int}$

int \* T | \$

4

Reduce

using  $T \rightarrow \text{int} * T$

T | \$

5

\$  $\in$  Follow(E)

Reduce

using  $E \rightarrow T$

E | \$

Start | \$

Accepted

في كل مرة يتم القراءة من البداية Start state



Ex:

Check IF this grammar SLR

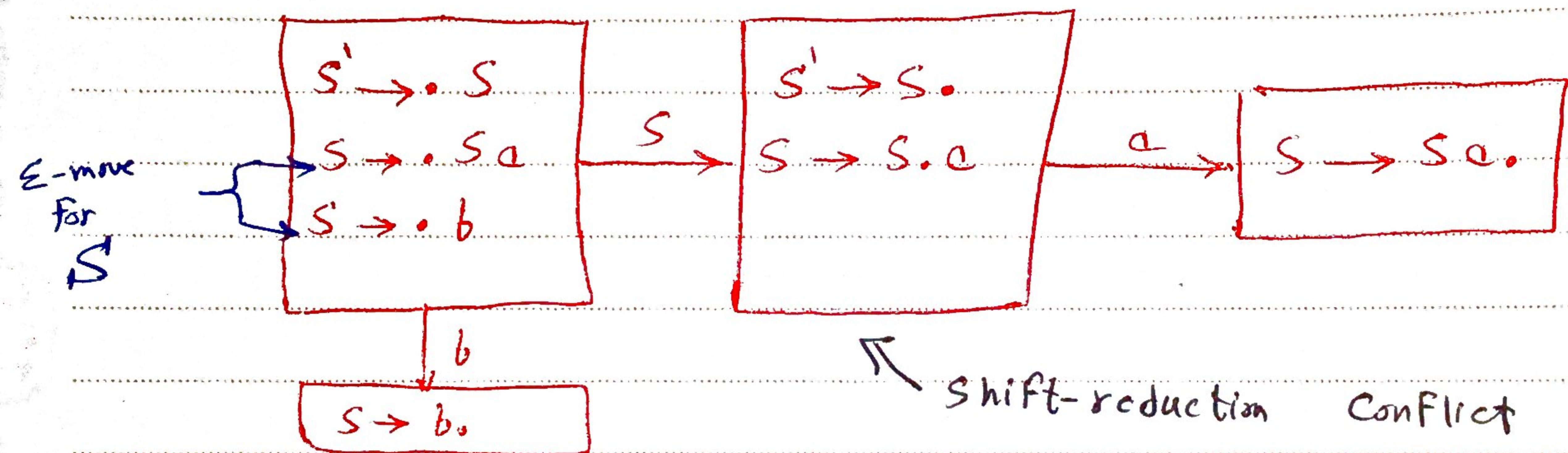
$$S' \rightarrow S$$

$$S \rightarrow Sa$$

$$S \rightarrow b$$

SLR IF there are solved  
Conflict

else LR(0)



Report

$$S' \rightarrow S$$

$$S \rightarrow SaS$$

$$S \rightarrow b$$